

ABSTRACT

A solidifying material for a cell electrolyte solution is a block copolymer, which comprises, as segments A, a polymer non-compatible with the cell electrolyte solution and, as segments B, a polymer compatible with the cell electrolyte solution. The solidifying material absorbs and solidifies the cell electrolyte solution. A smallest unit of the block copolymer is A-B-A. To each of the segments B, at least one group selected from the group consisting of a carboxyl group, an ester group, a hydroxyl group, a sulfonic group, an amino group, a cyclic carbonate group and a polyoxyalkylene group is bonded via a -S- bond or a -C- bond.